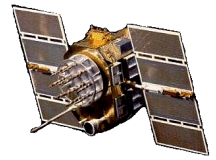




Active B3/Omnistar/L1 GPS/Glonass Antenna, P/N: 0.9G16A3-6RM-4

1.2" Square, Front Mount, Back Cable Configurations



ISO 9001:2008/FAA Approved Facility

Antenna Mounts: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>

ANTCOM CORPORATION . 367 Van Ness Way, Suite 602 . Torrance, CA 90501 . Tel: (310) 782-1076 . Fax: (310) 782-1086 . E-mail: antennas@antcom.com . <http://www.antcom.com>

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SPECIFICATIONS

ELECTRICAL:

FREQUENCY:		(1561.09 ± 10) MHz	(1575.42 ± 12) MHz	(1609 ± 7.0) MHz			
RADIATION PATTERN:		HEMISPHERICAL					
POLARIZATION:		RHCP					
VSWR:		< 2:1					
IMPEDANCE:		50 ohms					
ANTENNA GAIN (dBic):		Free Space	3 in G.P.	Free Space	3 in G.P.	Free Space	3 in G.P.
@ 90° (ZENITH):		- 1.5	+ 3.1	- 0.8	+ 3.8	- 1.5	+ 3.1
@ 10° Elevation:		- 10	- 5.0	- 9.3	- 4.3	- 10	- 5.0
@ 20° Elevation:		- 7.3	- 2.9	- 6.8	- 2.2	- 7.3	- 2.9
@ 30° Elevation:		- 5.9	- 1.4	- 5.2	- 0.7	- 5.9	- 1.4
@ 60 - 90° Elevation:		> - 2.8	> 1.8	> - 2.1	> 2.5	> - 2.8	> 1.8
BEAM WIDTH (3dB):		100 Deg.	120 Deg.	100 Deg.	120 Deg.	100 Deg.	120 Deg.
AXIAL RATIO:		2.5 dB					
LIGHTNING PROTECTION:		DC GROUNDING					

LNA OPTION:

LNA GAIN:	27.0 dB
LNA NOISE FIGURE:	1.8 dB
LNA P 1dB Out:	+16 dBm
VOLTAGE/CURRENT:	(+2.8 TO +28) Volts DC / (15 TO 25) mA
FILTER:	2-POLE FITLER (P/N: KFF6338A)

MECHANICAL:

SIZE:	1.250 in. [31.75 mm] SQ.
HEIGHT:	0.540 in. [13.59 mm]
WEIGHT:	1.05 oz. (30 g)
FINISH:	SKYDROL RESISTANT POLYURETHANE ENAMEL BASE IRIDITE PER MIL-C-5441
MATERIAL:	6061-T6 ALUMINUM ALLOY BASE COMPOSITE RADOME, ABRASION, UV, SOLVENT, SKYDROL RESISTANCE, AND FIRE RETARDANT
CONNECTOR:	6" LONG FLEXIBLE CABLE WITH RIGHT ANGLE MCX (OPTION: MCX, SMA, SMB, SSMA, SSMB, SSMC, OR TNC)

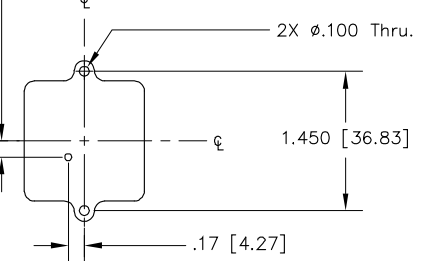
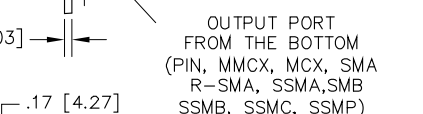
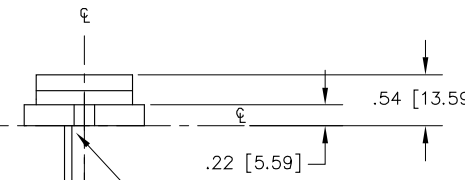
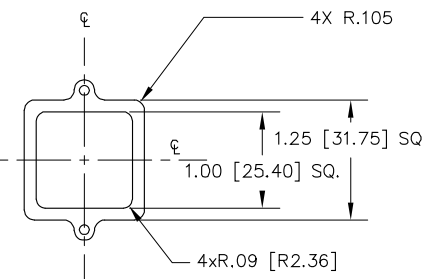
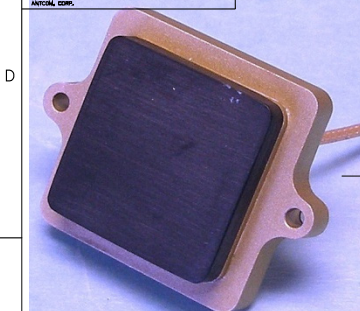
ENVIRONMENTAL:

TEMPERATURE:	-67 °F TO +185 °F [-55 °C TO +85 °C]
ALTITUDE:	70,000 ft.
VIBRATION:	>30 G's
LEAKAGE:	HERMETICALLY SEAL

FEDERAL & MILITARY SPECIFICATIONS:

DESIGN TO: FAA TSO-C144, DO-160D, D0-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

ACCEPTANCE TEST PROCEDURE: ATP-GPS-L1L2-100



SIZE:	FREQ. BAND:	LNA:	High Shock/Micron Options:
1: 2" SQ.	1215, L1/L2	A2: WITH 20 dB LNA	L: 20,000G
1.8: 1.9" SQ.	15: L1 ONLY	P: WITHOUT LNA	
2: 2.5" DIA.			
3: 3.5" DIA.			
4: MINI ARINC			

P/N: 0.9G16A2-6RM-4

CABLE'S LENGTH:	CONNECTOR:	COLOR:
X: NO CABLE	S: SMA; RS: R-SMA; P: PINS; M: MCX;	-1: GLOSS WHITE #17925 PER FED-STD-595B
Y: 10' NO MAG.	V: MCX; S: SMA; SSMA; SSMB; SSMC;	-2: LUSTERLESS GRAY #80320 PER FED-STD-595B
Z: CABLE LENGTH (IN)	SSVP: T: TB; TNC; RVC; RIGHT ANGLE MCX	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
R: RIGHT ANGLE CON.	L-RM: Right Angle Male Lemo	-4: LUSTERLESS BLACK #47038 PER FED-STD-595B

QUANTITY REQD	DESCRIPTION	PART NO	FINISH	INSTR
1	Conductive ADHESIVE GASKET	123456-3M-0.9G	-	5
1			-	3
1			-	2
1			-	1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS UNLESS OTHERWISE SPECIFIED DECIMALS UNLESS OTHERWISE SPECIFIED ANGLES ± 1°

ANTCOM CORP. TORRANCE CALIFORNIA

Active B1/Omnistar/L1 GPS/GLONASS ANTENNA

DATE: July-01-09

DRAWN: S. HUYNH

CHECKED: S. HUYNH

DESIGNED: S. HUYNH

APPROVED: S. HUYNH

SCALE: 1/1

SHEET 1 OF 1

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]
NOTES: UNLESS OTHERWISE SPECIFIED:

NMO Connector Option is Now Available for Some Antennas